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March 8, 1993

Mr. Ralph O. Howard, Jr.
Project Coordinator
United States Environmental Protection Agency
Region IV - Waste Management Division
345 Courtland Street, N.E.
Atlanta, GA 30365

Subject: Medley Farm Site RD/RA Monthly Report - February 1993.

Dear Mr. Howard:

The following submittal constitutes RMT's monthly report to the US EPA regarding the Medley Farm Site RD/RA for February 1993. This report is submitted on behalf of the Medley Farm Site Steering Committee (Steering Committee) to satisfy the requirements of Section XI, Paragraph 30 of the Consent Decree entered into by EPA and the members of the Steering Committee. This monthly report describes tasks initiated or completed as part of the RD/RA for the Medley Farm Site during the reporting period.

PROJECT TASKS INITIATED OR COMPLETED DURING THE MONTH OF FEBRUARY 1993

MONITORING OF EXISTING SITE CONDITIONS

Site Characterization:

Implement Quarterly Sampling and Analysis Plan

- Analysis of the fourth quarter's samples continues.

SCOPING AND INITIAL DATA COLLECTION ACTIVITIES

Scoping and Review Activities:

Review Existing Information and Guidance

- Completed

Collection of Additional Site Data

- The analytical data collected from BW-111 and BW-112 has arrived and is presently undergoing data validation and review. This data will be used in conjunction with the pending packer testing that is anticipated shortly after completion of the aquifer tests and 2nd quarterly sampling have been completed (late March-April 1993).
- Drilling activities were completed on Recovery Wells A-1, A-4, and B-4. RMT has been making preparations for aquifer testing which will be conducted on recovery wells A-4 and B-4. Each of these new recovery wells will be sampled for additional water quality information during the forthcoming quarterly sampling event.

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- Drilling activities were also completed in Areas 1 and 3 slated in the ROD for soil vapor extraction. Vapor extraction wells VE-101 and VE-301 were installed without incident, as well as the one-inch vapor monitoring wells (VM-101, VM-102, VM-103, VM-301, VM-302, and VM-303).

Treatability/Pilot Testing

- RMT submitted to the Agency a technical memorandum regarding the conduct of SVE pilot-testing at VE-101 and VE-301. Pilot tests on each of these vacuum wells were completed, without incident, during the week of February 15th. The information from these pilot tests will be transmitted to the US EPA under separate cover.
- The technical memorandum addressing the aquifer testing program was also submitted to the Agency. Aquifer testing on A-4 and B-4 should begin on or about March 3rd.

Health & Safety Plan

- Completed.

REMEDIAL DESIGN ACTIVITIES

Remedial Design Planning

RD Work Plan

- Completed and approved by US EPA.

Preliminary Design

- Completed and commented upon by US EPA and SC DHEC reviewers.

Prefinal/Final Design

- Efforts geared towards finalizing the Piping and Instrumentation Diagram (Drawing 938-C04) were initiated.
- RMT received the draft NPDES permit limitations from SC DHEC. A response to the draft permit is currently in preparation.
- Design efforts are presently centered around the proposed gravity discharge to Jones Creek. RMT expects to move "up the pipes" to the central ground water treatment system and move outward to the extraction well systems as the aquifer tests are completed.
- A technical memorandum describing the results of the aquifer test program will be developed and submitted to the US EPA following completion of the field work.

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REMEDIAL ACTION

Well Installation

Ground water recovery wells A-1, B-1, and A-4 (described in the Preliminary Design Report [PDR]) were successfully installed in accordance with design criteria set forth in the PDR. Due to inclement weather, this work required slightly more time than was originally anticipated. Soil vapor extraction pilot tests on wells VE-101 and VE-301 (monitored using the six nested vapor monitoring wells) indicated that the effective radius of vacuum influence in Areas 1 and 3 varied from approximately 70 feet to nearly 85 feet. These values are greater than the assumed value of 45 feet used to develop the PDR and will result in a re-design of the preliminary SVE well arrangement shown in the PDR.

OPERATION AND MAINTENANCE

There are no current activities to report on at this time in the project.

PERFORMANCE MONITORING

There are no current activities to report on at this time in the project.

PROJECT TASKS PLANNED FOR THE MONTH OF MARCH 1993

The following activities are scheduled for the next reporting period beginning March 1, 1993 and continuing through March 31, 1993:

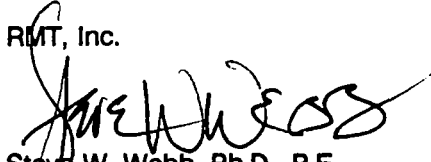
- Complete aquifer testing on recovery wells A-4 and B-4.
- Submit SVE pilot testing report to the US EPA.
- Submit aquifer testing report to the US EPA.
- Submit analytical data from BW-111 and BW-112 to the US EPA.
- Conduct quarterly sampling after completion of aquifer testing.
- Conduct packer tests on BW-111 and BW-112 after completion of aquifer testing and quarterly sampling.
- Continue with PreFinal design activities.
- Submit revised NPDES permit application to SC DHEC.
- Coordinate with SC DHEC and identify status of storm water variance request.

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Ralph, if you have any questions or comments regarding the material provided herein, please contact either myself or David Nichols.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Coordinator

cc: Medley Farm Site Steering Committee Distribution
File 938.11 (C)